

10-16-12

INTEGERS

• The world of positive & negative #s

Positive #s - greater than 0 (including decimals & fractions)

Negative #s - less than 0 (including decimals & fractions)

Real-World Examples

Positive #s - Gains or going up

Ex: Putting thgs. in cart : +5

Profit : \$+25.00

Gain 2 pounds : +2

Deposit : \$+150

Negative #s - Losses or going down

Ex: Loss of someone : -1

Down an elevator 2 floors : -2

Lose weight : -5

Lose pts. or money : -50

Withdraw : -\$25

Opposites - the pos. & neg. version of the same #

Ex: -13 and 13

$\frac{4}{5}$ and $-\frac{4}{5}$

* Opposites always add up to 0

$$-4.069 + +4.069 = 0$$

Absolute Value - the # of units away from 0

- always positive

- symbol : $| |$

Ex: $|-3|$ "the absolute value of -3 " is 3

$$|15| = 15$$

$$|-1.5| = 1.5$$

$$|-4\frac{3}{8}| = 4\frac{3}{8}$$